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## Figure 1.

A.

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG (SEQ ID No:8)

Annealed with Primer P1

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG (SEQ ID No:8)

AAAAATTCGAACCCC (SEQ ID No:23)

Filling in with Klenow fragment

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG (SEQ ID No:8)

CCCCTTCTAGATTTTT NNNNNNNNNNNNNNNNNNNN AAAAATTCGAACCCC (SEQ ID No:24)

Cleavage with Hind III / Bgl II

GATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTA

(SEQ ID No:25)

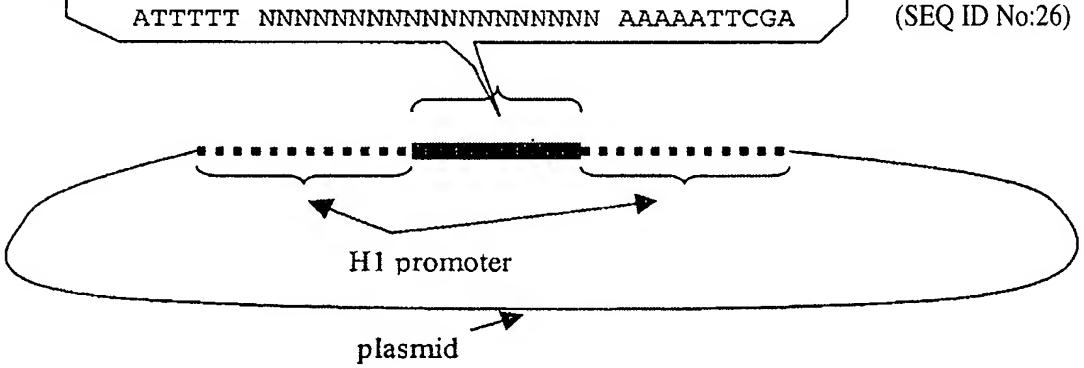
ATTTTT NNNNNNNNNNNNNNNNN AAAAATTCGA

(SEQ ID No:26)

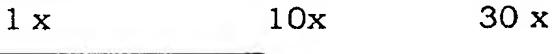
Cloning into a plasmid with H1 promoter in reversed direction

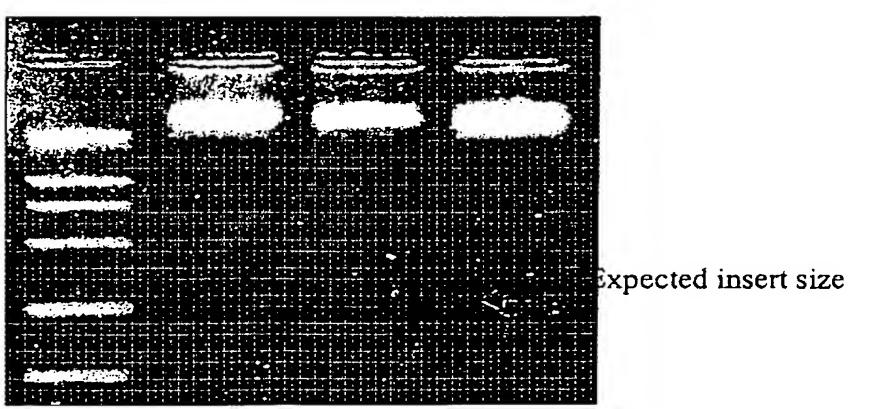
GATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTA

(SEQ ID No:25)



B.





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Figure 2.

A.

GGGGAAGATCTAAAAA AATAAATGAATCAAGAACA TTTTTAAGCTTGGGG (SEQ ID No:27)
CCCCTTCTAGATTTT TTATTTACTTAGTTCTTGT AAAAATTCGAACCCC (SEQ ID No:28)

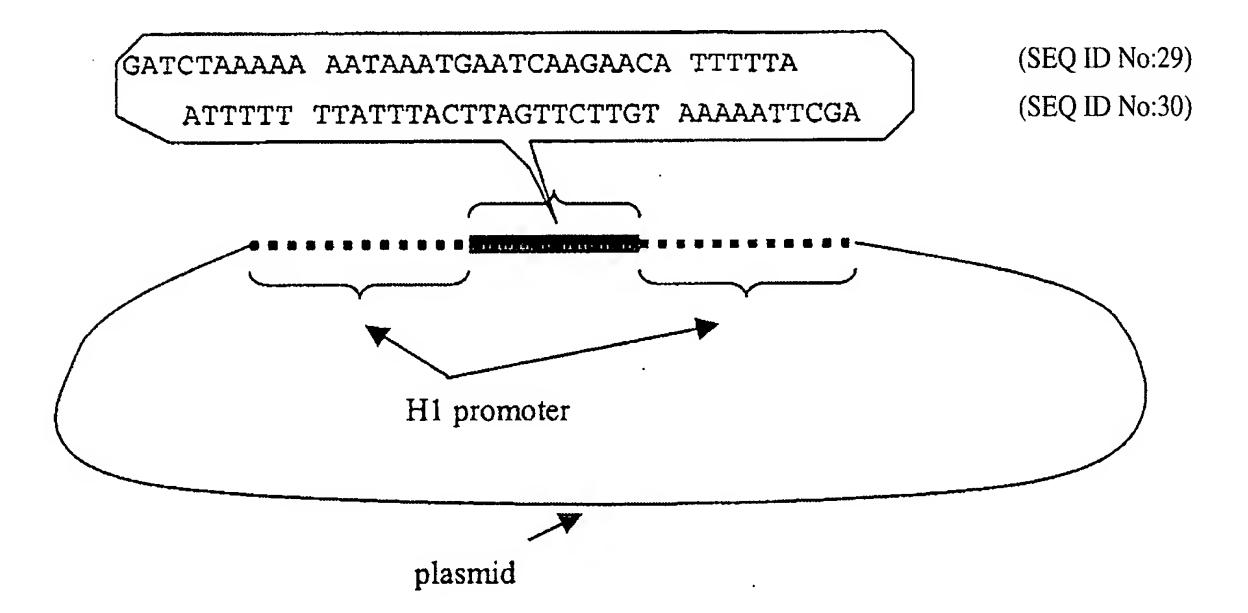
Two oligos were annealed and Cleavage with Hind III / Bgl II

GATCTAAAAA AATAAATGAATCAAGAACA TTTTTA

(SEQ ID No:29)

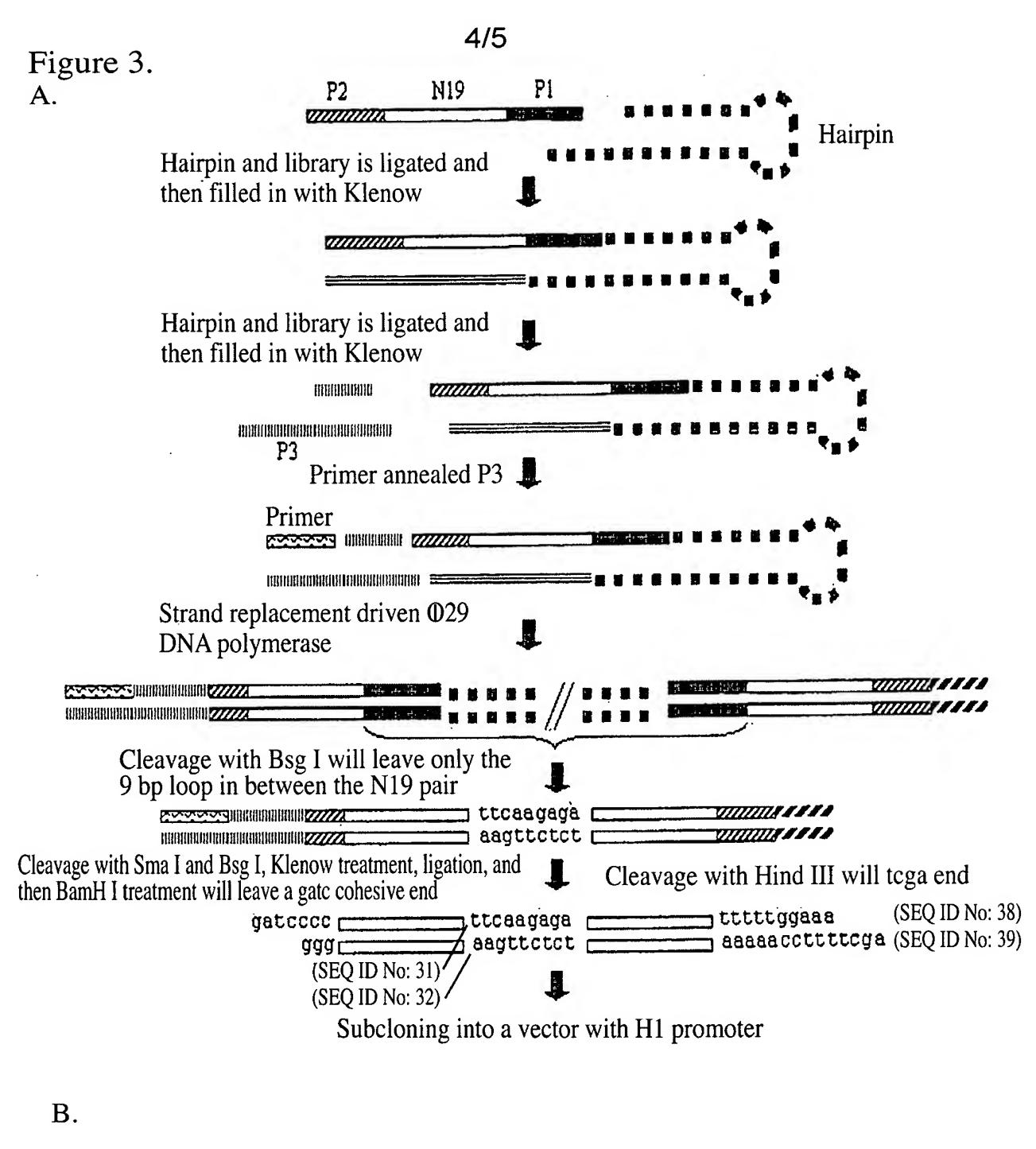
ATTTTT TTATTTACTTAGTTCTTGT AAAAATTCGA (SEQ ID No:30)

Cloning into a plasmid with H1 promoter in reversed direction



B. Clone 1 Clone 2 Clone

Expected insert size



P1: TTC AAG AGA (SEQ ID No: 31)

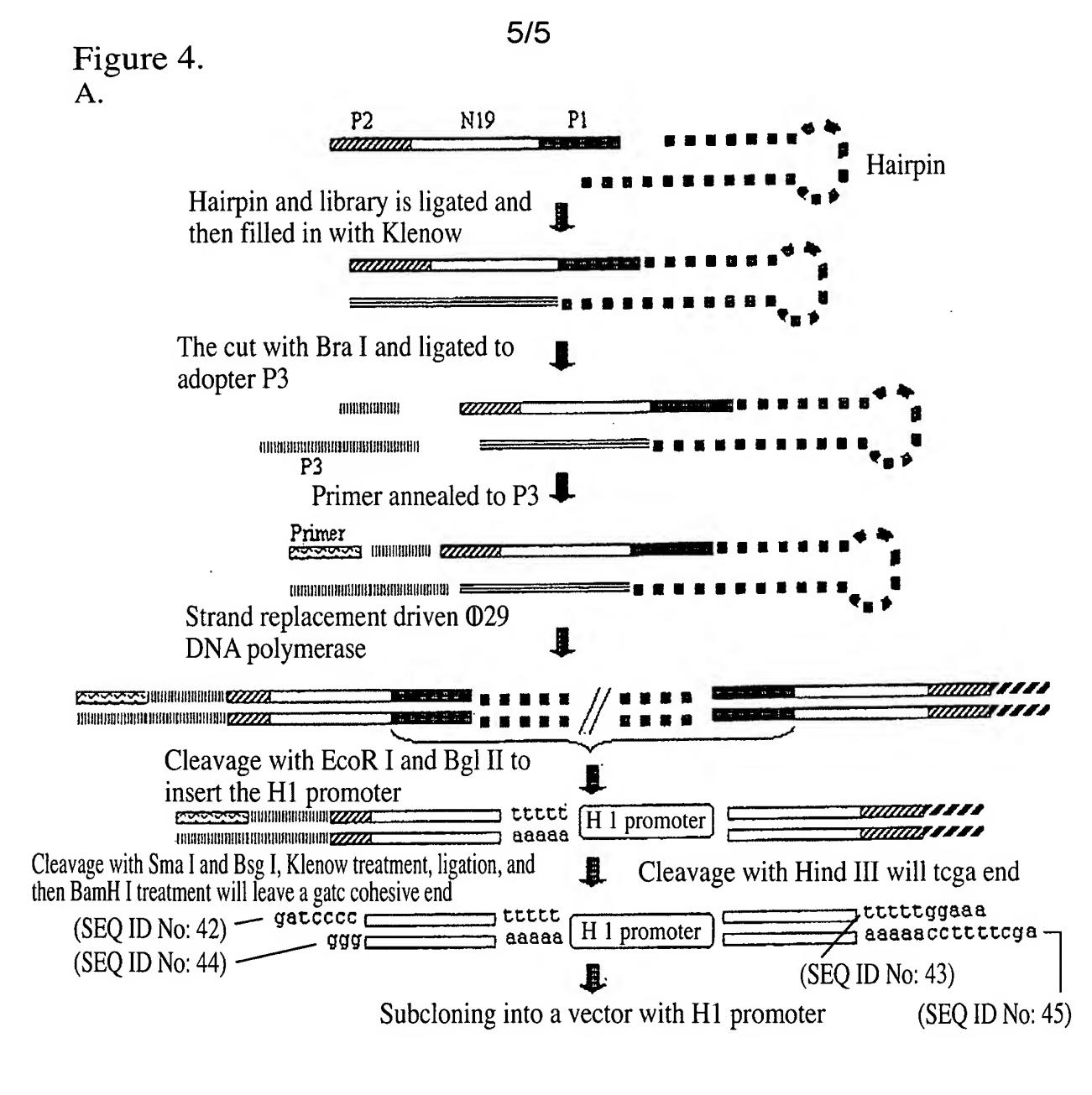
P2. ACA AAG CTT TTC CAA AAA (SEQ ID No: 33)

N19: NNN NNN NNN NNN NNN NNN N (SEQ ID No: 34)

Hairpin: CAC ACG TGT CTT CGA ACA CAA TGC TAA TCT CTT GAA (SEQ ID No: 35)

P3: AGC TTA CTG CAC CC GGG GAT CCT GTT (SEQ ID No: 36)

Primer: AAC TGG ATC CCC GGG GTG CAG (SEQ ID No: 37)



B.

P1: TTT TTG GAT CC (SEQ ID No: 40)

P2. ACA AAG CTT TTC CAA AAA (SEQ ID No: 33)

N19: NNN NNN NNN NNN NNN NNN (SEQ ID No: 34)

(SEQ ID No: 41)

Hairpin: GGG AGA TCT TCG CTT CAA CGA AGA TCT CCC GGA TCC AAA AA

P3: AGC TTA CTG CAC CC GGG GAT CCT GTT (SEQ ID No: 36)

Primer: AAC TGG ATC CCC GGG GTG CAG (SEC

(SEQ ID No: 37)